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# DETAILS

**B HARSHITHA** 

### Roll Number

3BR23CA014

## **EXPERIMENT**

## Title

SIGNATURE FOR LCM

## **Description**

Given two numbers a and b. Find the GCD and LCM of and b.

### Input:

• Two positive integers a and b (1 <=a, b <=1000)

### Output:

For GCD function, an integer representing the GCD of a 'and b

For LCM function, an integer representing the LCM of a and b

### **Sample Input:**

12 18

### **Output:**

36

### **Explanation:**

The GCD of 12 and 18 is 6. The LCM of 12 and 18 is 36. 38R23CA01A38R23CA01A38R23CA01A'3

# Source Code: 38R23CA01A3BR23CA01A3BR22. 3BR23CA01A3BR23CAV

3BR23CAOTA The state of the s https://practice.reinprep.com/student/get-report/417c5845-7d50-11ef-ae9a-0e411ed3c76b

```
import math

def gcd(a, b):
    return math.gcd(a, b)

def lcm(a, b):
    return (a * b) // gcd(a, b)

# Input reading
a, b = map(int, input().split())

# Calculate GCD and LCM
gcd_value = gcd(a, b)
lcm_value = lcm(a, b)

print(gcd_value)
print(lcm_value)

RESULT

5/5 Test Cases Passed | 100 %

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```